

Application No. 10/552,596

Reply to Office Action

*AMENDMENTS TO THE CLAIMS*

This listing of claims replaces all prior versions, and listings, of claims in the application.

1. (Currently Amended) A photosensitive resin composition comprising  
  
(A) hydrophobic polymers obtained from at least two or more water dispersion latexes,  
  
(B) a photopolymerizable compound ~~and~~  
  
(C) a photopolymerization initiator, and  
  
(D) a hydrophilic polymer,  
  
wherein  
  
each of said two or more hydrophobic polymers is present in a fine particle state in the uncured composition,  
  
the particle diameter distribution of the fine particles as the component (A) has two or more peaks, and  
  
the ratio of respective particle diameters at the peaks is 2 times or more.
2. (Canceled)
3. (Canceled)
4. (Currently Amended) The photosensitive resin composition as claimed in ~~claim 3~~ claim 1, wherein at least one hydrophobic polymer out of the component (A) and the hydrophilic polymer as the component (D) have a common skeleton structure.
5. (Original) The photosensitive resin composition as claimed in claim 1, which further comprises (E) a viscosity adjusting agent.

6. (Currently Amended) The photosensitive resin composition as claimed in claim 5, wherein the component (E) is a carboxylic acid copolymer ~~comprising a carboxylic acid comonomer~~.

7. (Original) The photosensitive resin composition as claimed in claim 1, which further comprises (F) an aggregation inhibitor.

8. (Original) The photosensitive resin composition as claimed in claim 7, wherein the component (F) is a nonionic surfactant.

9. (Canceled)

10. (Canceled)

11. (Previously Presented) The photosensitive resin composition as claimed in claim 1, wherein at least one member out of the component (B) is an alkyl methacrylate.

12. (Original) The photosensitive resin composition as claimed in claim 11, wherein the alkyl methacrylate in the component (B) is a linear alkyl methacrylate having a carbon number of 8 to 18.

13. (Currently Amended) A photosensitive resin composition layer obtained from the photosensitive resin composition claimed in claim 1, said layer, after photocuring, having a percentage change of 30% or less in the compressive elasticity between before and after dipping in a cosolvent comprising isopropyl alcohol and n-propyl acetate in a weight ratio of 8:2 and having a swelling ratio of 16% or less.

14. (Previously Presented) A photosensitive resin printing original plate comprising a support having coated thereon a photosensitive layer comprising the photosensitive resin composition claimed in claim 1.

15. (Canceled)

16. (Canceled)

17. (Previously Presented) A photosensitive resin printing original plate comprising a support having coated thereon a photosensitive layer comprising the photosensitive resin composition claimed in claim 4.

18. (Previously Presented) A photosensitive resin printing original plate comprising a support having coated thereon a photosensitive layer comprising the photosensitive resin composition claimed in claim 5.

19. (Previously Presented) A photosensitive resin printing original plate comprising a support having coated thereon a photosensitive layer comprising the photosensitive resin composition claimed in claim 6.

20. (Previously Presented) A photosensitive resin printing original plate comprising a support having coated thereon a photosensitive layer comprising the photosensitive resin composition claimed in claim 7.

21. (Previously Presented) A photosensitive resin printing original plate comprising a support having coated thereon a photosensitive layer comprising the photosensitive resin composition claimed in claim 8.

22. (Canceled)

23. (Canceled)

24. (Previously Presented) A photosensitive resin printing original plate comprising a support having coated thereon a photosensitive layer comprising the photosensitive resin composition claimed in claim 11.

25. (Previously Presented) A photosensitive resin printing original plate comprising a support having coated thereon a photosensitive layer comprising the photosensitive resin composition claimed in claim 12.

26. (Previously Presented) The photosensitive resin composition as claimed in claim 1, wherein the ratio of the respective particle diameters at the peaks is 3 times or more.

27. (Currently Amended) A photosensitive resin composition consisting essentially of

(A) hydrophobic polymers obtained from at least two or more water dispersion latexes,

(B) a photopolymerizable compound, and

(C) a photopolymerization initiator,

and optionally at least one component selected from the group consisting of

(D) a hydrophilic polymer,

(E) a viscosity adjusting agent, and

(F) an aggregation inhibitor, and

~~(G) a conjugated diene oligomer having no photopolymerizable crosslinking group,~~

wherein

each of said two or more hydrophobic polymers is present in a fine particle state in the uncured composition,

the particle diameter distribution of the fine particles as the component (A) has two or more peaks, and

the ratio of respective particle diameters at the peaks is 2 times or more.

28. (New) A photosensitive resin printing original plate comprising a support having coated thereon a photosensitive layer comprising the photosensitive resin composition claimed in claim 26.